1. Installation

AvnFPS OB8.3 installation is relatively straight-forward. The entire process of installing AvnFPS OB8.3 should take less than a minute.

The software is delivered as part of AWIPS OB8.3 build on DVD disk. Once mounted, AvnFPS OB8.3 can be found under the /media/cdrecorder filesystem.

```
dx1-wfo{fxa}16: ls -la /media/cdrecorder
-r--r--r--    1 fxa  fxalpha 438238 Mar 23 16:53 AvnFPSOB8.3.tgz
-r--r--r--    1 fxa  fxalpha 30201880 Apr 18 18:03 freeware.tgz
-r-xr-xr-x    1 fxa  fxalpha   8524 Mar 18 02:25 installAVNFPS.sh
```

File sizes may change, but the approximate values should be as shown above. Ensure that **installAVNFPS.sh** has execute permissions.

1.1. Unpacking the software

Log on to dx1 as root. This is necessary as you need root privileges on the filesystem where files are installed. Execute the following commands:

```
[root@dx1-wfo]# cd /media/cdrecorder
[root@dx1-wfo]# script /local/install/installAVNFPSOB83.log
[root@dx1-wfo]# ./installAVNFPS.sh /media/cdrecorder
```

Enter **exit** when the installation script finishes. Here is an example of a successful installation.

```
[root@dx1-wfo]# cd /media/cdrecorder
[root@dx1-wfo]# ./installAVNFPSOB8.3 /media/cdrecorder
Script started on Tue 15 Apr 2008 04:02:02 PM GMT
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
If you need assistance, call NCF at 301-713-9344
to open a TT.
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
Installation of AvnFPS for OB8.3 system begins . . . Tue Apr 15 16:02:29 GMT 2008

Installing AvnFPS OB8.3 . . . please wait
Working directory changed to: /awips/adapt/avnfps
Unpacking AvnFPSOB8.3.tgz
Copying AvnFPS 3.5 configuration files to OB8.3
Updating AvnFPS root menu
Changed working directory to /awips/adapt/avnfps to clean up and relink to OB8.3 directories. . .
Removing /awips/adapt/avnfps/3.4 . . .
Fixing /awips/adapt/avnfps/bin link. . .
Fixing /awips/adapt/avnfps/data link. . .
Fixing /awips/adapt/avnfps/etc link. . .
Fixing /awips/adapt/avnfps/logs link. . .
Changing ownership of AvnFPSOB8.3 software to user "fxa"
Processing files in etc
Done with etc/app-resources/X.14
Done with etc/app-resources/X.17
Done with etc/app-resources/X.20
Done with etc/app-resources/X.22
Done with etc/app-resources/X.23
Done with etc/app-resources/X.24
Updating info.cfg for KGUP
Done with KGUP
Updating info.cfg for KFMN
Done with KFMN
Updating info.cfg for KTCS
Done with KTCS
Updating info.cfg for KLVS
Done with KLVS
Updating info.cfg for KTCC
Done with KTCC
Updating info.cfg for KSAF
Done with KSAF
Updating info.cfg for KDMN
Done with KDMN
Updating info.cfg for KINK
Done with KINK
Updating info.cfg for KMAF
Done with KMAF
Updating info.cfg for KROW
Done with KROW
Updating info.cfg for KABQ
Done with KABQ
Updating info.cfg for KELP
Done with KELP
Updating info.cfg for KHOB
Done with KHOB
Updating info.cfg for KCNM
Done with KCNM
Updating info.cfg for KAMA
Done with KAMA
Updating info.cfg for KDMA
Done with KDMA
Updating info.cfg for KDUG
Done with KDUG
Updating info.cfg for KFHU
Done with KFHU
Updating info.cfg for KTUS
Done with KTUS
Updating info.cfg for KLRU
Done with KLRU
Updating info.cfg for KFST
Done with KFST
Updating mtrs.cfg for XXXX
Done with XXXX
Extracting...KGUP.hdf5 probability thresholds file
Extracting...KFMN.hdf5 probability thresholds file
```

```
Extracting...KTCS.hdf5 probability thresholds file
Extracting...KLVS.hdf5 probability thresholds file
Extracting...KTCC.hdf5 probability thresholds file
Extracting...KSAF.hdf5 probability thresholds file
Extracting...KDMN.hdf5 probability thresholds file
Extracting...KINK.hdf5 probability thresholds file
Extracting...KMAF.hdf5 probability thresholds file
Extracting...KROW.hdf5 probability thresholds file
Extracting...KABQ.hdf5 probability thresholds file
Extracting...KELP.hdf5 probability thresholds file
Extracting...KHOB.hdf5 probability thresholds file
Extracting...KCNM.hdf5 probability thresholds file
Extracting...KAMA.hdf5 probability thresholds file
Extracting...KDMA.hdf5 probability thresholds file
Extracting...KDUG.hdf5 probability thresholds file
Extracting...KFHU.hdf5 probability thresholds file
Extracting...KTUS.hdf5 probability thresholds file
Done with etc/gui.cfg
Done with etc/server.cfg

Shutting down AvnFPS 3.5 servers
Stopping AvnFPS servers on px2f
Killing server processes on host px2f
Using SIGTERM 17451

Starting AvnFPS OB8.3 servers
Starting AvnFPS servers on px2f

Installation of AvnFPS for OB8.3 system is finished . . . Tue Apr 15 16:03:17 GMT 2008
[root@dx1-wfo]# exit
exit

Script done on Tue 15 Apr 2008 04:05:58 PM GMT
[root@dx1-wfo]#
```

The installation script copies your existing configuration files to the format needed for the new release. It shuts down the 3.5 servers and starts the new AvnFPS OB8.3 servers as a convenience. No data is lost. Forecasters should log out and log back in for changes to AWIPS root menu to take effect. Users should be able to immediately start the new AvnWatch GUI.